**ElectroEuro** (noun)
| əˌlek tro ˈjurə |

Decentralized virtual currency to transfer energy within Europe in an equalized manner. Promotes a unified Europe and creates a low carbon economy.

*This car consumes 100 ElectroEuros a year, it is low cost.*
MODEL

- Universal
- Finite amount
- Transaction of energy is done through a tradeoff of it.
- Can be bought through goods that do not promote carbonization.

Electro Euro

Cost

- Distance to transport energy (a fixed cost).
- Quantity
MARKET

1. Surplus of energy per country and per energy source

2. Technology

A. Prediction / Estimation of surplus of energy (Predix’s machine learning)

   I. Production - availability of each source based on its features
   II. Consumption - by producer
   III. Cost
1. Auction with anonymous bidding on an interval

Principles
I. Prioritize green energy / stability
   • Consumer
     - Cheaper
     - Flexible trade rules (variety of things that could be exchanged for it, including non energy entities)
     - Delayed payment
   • Supplier
     - Debt forgiveness
     - Small loans
     - Fines for using polluting technologies
<table>
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<tr>
<th>Sources</th>
<th>Features</th>
<th>Green</th>
<th>Stable</th>
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<tr>
<td>WIND</td>
<td>Weather, Location, Cost of operation</td>
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<tr>
<td>HYDROGEN</td>
<td>Volume, Cost of production</td>
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Each country determines its own pricing based on supply and demand, it is determined by 4 parameters:

- Greenness
- Stability
- Distance
- Availability
IMPLEMENTATION

Collect data from sensor network

\[\text{PREDIX}\]

Aggregate and analyze data

Generate markets

User interaction and pricing
SOLUTION BENEFITS:

Hybridization
• Combine different energies
• Solves the problem of resource availability

Mobility
• Obtain energy from nearest neighbor EU country rather than OPEC

Decentralized
• Pure free market
• Virtual currency prevents monopoly

Big data optimality
• Large scale sensor network generates volumes of data for optimality

Efficiency
• Close down or relocate inefficient energy sources
PRACTICAL IMPLICATIONS:

Makes green energy cheaper than polluting energy (by reducing costs)

Optimal pricing based on free market
• Reduces dependency on OPEC

Revenue driven production
• Not politically driven

Autonomy of countries
• OPEC imposes penalties
  o Low volume producing countries have limited negotiation power
  o Overproducing countries are fined

Prisoner's dilemma (cheating)
• Each nation individually:
  o Discounts its price
  o Exceeds its quota